

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: November 10, 2005

Inspector: Brian Sakidovitch

Location: Norwalk Substation Expansion

Storm/

Rain Event: Approximately 0.5- 0.65" of rain fell over 11/9-11/10 as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	- Vegetation is growing within the inlet near the Route 7 ramp which helps filter sediment. Silt fence is still partially collapsed and the surrounding stone also helps to filter. The area seems fairly stable. 8/19-11/10/05.	-The area should continue to be monitored to some degree but sediment is being filtered well by the stone and new growth. The silt fence could even be removed with the stone in place. 11/10/05.
Foundation construction	<p>-A drainage structure was installed on the western side of the GIS building and stockpiles remain in the adjacent yard area. 11/10/05.</p> <p>- Some activity/excavation was also noticed in the active yard but stockpiles remain within the site. 11/10/05.</p> <p>- Two new footings were being set at the northwest portion of the site between the retaining wall and the bike path. 11/10/05</p> <p>-Clean up activities associated with the 345 kV Turning Structure work appear to be completed with materials removed and the area regraded. 11/10/05.</p>	<p>- This excavation and backfill work is well within the yard and areas are contained. 11/10/05.</p> <p>- The work is also well within the yard. 11/10/05</p> <p>- The footings will be poured by the end of the day. 11/10/05</p> <p>-It should be confirmed that all grades were met as proposed and temporarily disturbed areas are back to their original grades. 11/10/05.</p>

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> - A catch basin at the southern corner of the GIS building has sediment accumulating either on the fabric within the grate or within the basin itself. 10/27/05-11/10/05. - Sedimentation from the access road off the Rt. 7 ramp was noted in the vegetated perimeter swale but it did not leave the site. 9/21/05-11/10/05. -The overflow channel had some accumulated sediment at the edge of the river due to the flooding and potentially the adjacent fill work. 10/27/05-11/10/05. - The work at the turning structure is now completed and some bare soil remains in the area. . 11/10/05. - Silt fence was noted along the bike path while work took place to set the footings. 11/10/05 	<ul style="list-style-type: none"> - Clear the fabric of sediment and replace protective/control measures. If the sediment has reached inside the basin, clean out any buildup. 10/27/05-11/10/05. - Sedimentation and gravel remain contained within the swale. The access road will be paved eventually which will remove the problem. Continue to monitor area until final stabilization. 9/21/05-11/10/05. - Sediment may need to be removed by hand here in order to restore the original capacity of the channel. 10/27/05-11/10/05. - It should be confirmed the channel is at original grades and the disturbed surfaces should be mulched at least as re-vegetation will not occur at this time. 11/10/05. - None at this time. 11/10/05
Inland Wetland and Watercourse encroachment and mitigation	<ul style="list-style-type: none"> -The 345kV work area appears to have been restored but could use some mulch for temporary stabilization. 11/10/05 -Sediment was noticed at the edge of the overflow channel and the river. 11/02-11/10/05. 	<ul style="list-style-type: none"> - Mulch bare soil areas until vegetation can be established after the winter. 11/10/05 - Continue to remove any loose sediment due to the project in the channel and work area. 11/10/05.
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> - No species of concern are located in this area of construction. 	<ul style="list-style-type: none"> - N/A

Areas of Inspection	Observation	Recommended Action
Vegetative clearing limits (including trees to save or danger trees noted)	-No additional clearing is needed at this time. 11/10/05	- Clearing was limited to what is necessary and it will continue to be monitored. 11/10/05
Dewatering	-Dewatering was not observed during this inspection but may have been necessary during the footing installation. 11/10/05.	-The slurry pit has also been removed from the work area. 11/10/05.
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills and Material Storage	- No drips or leaks were noted on the site at the time of inspection. 11/10/05.	<p>In general:</p> <ul style="list-style-type: none"> - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. - The contractors should remain vigilant about securing and handling fuel and all other material containers due to the sensitivity of the area. - Report spills to the office immediately, even if they are being controlled. - Take care not to get carried away and to be vigilant when refueling. - All fuels and agents not in use should be covered and stored in the sheds and trailers before leaving for the day.
Additional Observations		

Next likely scheduled inspection:

Thursday, November 17, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden for Brian Sakidovitch

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Date: November 10, 2005

Inspector: Don Ukers

Location: Plumtree Substation Expansion, Bethel

Storm/

Rain Event: Approximately 0.5- 0.65" of rain fell over 11/9-11/10 as reported by NOAA.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time but soil test borings had occurred on the driveway to the substation last week. 11/10/05	- Take care not to let accumulated soil from the borings enter the wetland swales adjacent to the driveway. 11/2-11/10/05
Foundation construction	-The remaining work is mostly electrical and within the control house. 11/10/05. -No further civil or earth disturbing work was noted on site at this time and trailers are gone. 11/10/05	- The areas are all contained at this time.11/10/05 - Open excavations were not observed at this time. 11/10/05.
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- Although no silt fence is in place, the perimeter stone berm continues to work well to control the yard even with the significant rain. 11/10/05.	-All stockpiles are well-contained and the berm is working effectively at this time. 11/10/05
	- The small remaining piles of sand/soil are not covered in plastic but are well within the site. 3/2-11/10/05 - A small stockpile was noted adjacent to the slab but was well within the site. 11/10/05	-Continue to monitor status and cover stockpiles with plastic if necessary. 3/2-11/10/05
Inland Wetland and Watercourse encroachment	- Wetlands are located around the outskirts of the substation yard. The work within the	- The stone berm around the perimeter of the yard continues to prevent sedimentation and

Areas of Inspection	Observation	Recommended Action
and mitigation	substation yard has caused no observed sedimentation. 11/10/05.	water from leaving the site and getting to the wetland edge. 11/10/05.
State species of concern, threatened and endangered species	-The sand pile has been surrounded with safety fence but there seems to be little evidence of a valid nest at this point. 8/19-11/10/05. - The pile may be removed when necessary. 9/15-11/10/05.	- Everyone at the substation also remains aware and will move machinery carefully in case the individual turtle returns. We will continue to monitor the nest as long as the pile remains but it does not appear to be valid at this time. 11/10/05.
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A
Dewatering	- Dewatering was not observed during the inspection. 11/10/05.	- None at this time. 11/10/05.
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills and Material Storage	- No leaks or drips had been noted at the site at the time of inspection. 11/10/05. -	- The contractors should remain vigilant about securing and handling fuel containers. - Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.
Additional Observations	- Following completion of a few future scheduled activities, this substation can be removed from the inspection route. 11/10/05.	

Next likely scheduled inspection:

Thursday, November 17, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements

made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden for Don Ukers



Norwalk Substation: Photo on the left shows a view of the overflow channel following the rains. Photo on the right shows the turning structure area which has been regraded. 11/10/05



View of the GIS building and transformer area. The catch basin indicated appears to be either filling with sediment or the fabric here needs to be replaced. 11/10/05.



Photo on the left shows activity within the yard. Photo on the right shows footings being placed at the northwest side of the site. Silt fence is in place along the bike path. 11/10/05



Photo on the left shows a drainage structure installed on the west side of the GIS building. Photo on the right shows Plumtree Substation where most work is complete at this time. 11/10/05